



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

647.3702

Job Sheet 191097



008663

Part No: 647.3702

Job Qty: 1 pcs

Part Name: 412 Cable Cutter System, High



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 2/21/19

Job Tracking No:

Due Date: 3/29/19

Created By: Jesse White

Type: Stock

Description: SIOP

Note: DWG 647.3700 REV:A IPP REV:A 12.10.26 NEW ISSUE DD VERF:JLM IPP REV:B 15.01.26 as per ecr 14-214 DD VERF:JLM IPP REV:C AS PER REV NC3 15.03.18 JLM VERIFIED BY:DD IPP REV:D 18.01.19 AS PER DWG REV:A DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Packaging 1 - Pick Kit	1 pcs	3/29/19		0.00	0.00	Packaging 1 - 1		
							Packaging 1 - 2		
							Packaging 1 - 3		
							Packaging 1 - 4		
							Packaging 1 - 5		
							Packaging 1 - 6		
							Packaging 1 - 7		
							Packaging 1 - 8		
							Packaging 1 - 9		
							Packaging 1 - 10		
							Packaging 1 - 11		
							Packaging 1 - 12		
							Packaging 1 - 13		
							Packaging 1 - 14		
							Packaging 1 - 15		
							Packaging 1 - 16		
							Packaging 1 - 17		
							Packaging 1 - 18		
							Packaging 1 - 19		
							Packaging 1 - 20		
							Packaging 1 - 21		
							Packaging 1 - 22		
							Packaging 1 - 23		
							Packaging 1 - 24		
							Packaging 1 - 25		
							Packaging 1 - 26		
							Packaging 1 - 27		
							Packaging 1 - 28		
							Packaging 1 - 29		
							Packaging 1 - 30		



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S164303



Part: 647.3702

Job No: 191097

Serial No/Batch: S164303

Revision: A

Inspector:

Exp Date:

Instructions: FAA STC SR02289LA 17/03/07 TC STC LoA RI

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor		
			QC / QA Coordinator		
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					

					Packaging 1 - 31	
					Packaging 1 - 32	
					Packaging 1 - 33	
					Packaging 1 - 34	
					Packaging 1 - 35	
					Packaging 1 - 36	
120	QC 4	1 pcs	3/29/19	0.00 0.00	QC 4 - 26	
					QC 4 - 28	
					QC 4 - 42	
					QC 4 - 58	
					QC 4 - 6	
					QC 4 - 69	DAS 69 9-89
					QC 4 - 9	
					QC 4 - 46	DAS 21 9-89
125	DC - 1 - B4B	1 pcs	3/29/19	0.00 0.00	DC - 1 - B4B	DAS 21 9-89 MAR 20 2019
					DC - 2 - B4B	
130	Packaging 3-1 - Stock - B4B	1 pcs	3/29/19	0.00 0.00	Packaging 3 - 1 - B4B	DAS 69 9-89
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
					Packaging 3 - 36 - B4B	
140	QC 21 - FG	1 pcs	3/29/19	0.00 0.00	QC 21 - FG - 21	
					QC 21 - FG - 70	DAS 21 9-89
					QC 21 - SA - 53	
Part Op 110 - (Pick Kit)						
Descriptions: 120 - (QC4- 100% Inspect kits for completeness)						
125 - (Document Control) Photocopy bluefile & type labels per PPP 647.3702						
130 - Identify and pack for shipping as per PPP 647.3702						
140 - (QC21- Final Inspection - Work Order Release)						

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No.: _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐		DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date : _____		Sequence #: _____		QTY Affected : _____		MRB (QSI042)	
Description Work Order Deviation				Disposition			
				Completed By			
				Lead hand / Supervisor			
				QC / QA Coordinator			
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread					
		Other/Details:					

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
600.1012	Sealant PR1425B2 (#654 sem)	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5157376
601.2045	RTV (LOCTITE 598)	1 Ea (1 ea)	110-Packaging 1 - Pick Kit	5120467
601.3073	Connector p/n 082-4440	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5126622
601.3083	Adhesive Rubber Seal	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5140546
647.3801	412 Upper Cutter Assembly	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5158456
647.3804	204,205,212,214,412 Lower Cutter Assembly High	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5158498
647.3903	Deflector Assembly	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5161123
647.4010	Wiper Deflector RH	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5158472
647.4011	Wiper Deflector LH	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5062598
647.4110	Doubler	1 Ea (1 ea)	110-Packaging 1 - Pick Kit	5144813
647.4111	Doubler	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5108301
647.4112	Clip	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5059110
647.4113	Clip	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5152001
647.4114	Shim	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	5133341
647.4115	Shim	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	5123358
647.4116	Shim	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5058999
647.4210	Bracket LH	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5161755
647.4211	Bracket RH	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5161784
647.4310	LH Lower Strut	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5060797
647.4311	RH Lower Strut	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5107320
647.4312	LH Upper Strut	1 Ea (1 ea)	110-Packaging 1 - Pick Kit	5134890
647.4313	RH Upper Strut	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5131531
647.4410	Rail	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5153642
AN3-11A	Bolt	8 Ea (8 ea)	110-Packaging 1 - Pick Kit	5157480
AN3-4A	Bolt	3 Ea (3 ea)	110-Packaging 1 - Pick Kit	5149178
AN3C10A	Bolt	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5130324
CCR264SS-3-03	Cherry Rivet	16 Ea (16 ea)	110-Packaging 1 - Pick Kit	5099729
CCR264SS3-04	Rivet	12 Ea (12 ea)	110-Packaging 1 - Pick Kit	5157070
CR3212-4-2	Cherry Rivet	12 Ea (12 ea)	110-Packaging 1 - Pick Kit	5136448
CR3212-4-3	Cherry Rivet	17 Ea (17 ea)	110-Packaging 1 - Pick Kit	5134221
CR3212-4-4	Cherry Rivet	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	5150213
CR3213-4-2	Cherry Rivet	13 Ea (13 ea)	110-Packaging 1 - Pick Kit	5116951
CR3213-4-3	Rivet, Cherry	32 Ea (32 ea)	110-Packaging 1 - Pick Kit	5150214
CR3213-4-4	Rivet, Cherry	19 Ea (19 ea)	110-Packaging 1 - Pick Kit	5157152
CR3213-4-5	Rivet	42 Ea (42 ea)	110-Packaging 1 - Pick Kit	5152647
CR3213-4-8	Rivet	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	5062261
MS21042L08	Nut	18 Ea (18 ea)	110-Packaging 1 - Pick Kit	5134219
MS21042L3	Nut	79 Ea (79 ea)	110-Packaging 1 - Pick Kit	5130347
MS21047-3	Nut Plate	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	5152873
MS21047L06	Nut Plate	6 Ea (6 ea)	110-Packaging 1 - Pick Kit	5119918
MS21047L08	Nut Plate	6 Ea (6 ea)	110-Packaging 1 - Pick Kit	5107432
MS21071L3	Anchor Nut	4 pcs (4 ea)	110-Packaging 1 - Pick Kit	5055950
MS24694-C53	Screw	8 Ea (8 ea)	110-Packaging 1 - Pick Kit	5137951
MS24694-S49	Screw	1 Ea (1 ea)	110-Packaging 1 - Pick Kit	5139702
MS27039-08-08	Screw	16 Ea (16 ea)	110-Packaging 1 - Pick Kit	5134225
MS27039-08-11	Screw	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5139336
MS27039-1-07	Screw	12 Ea (12 ea)	110-Packaging 1 - Pick Kit	5110866
MS27039-1-09	Screw	14 Ea (14 ea)	110-Packaging 1 - Pick Kit	5133788
MS27039-1-10	Screw	42 Ea (42 ea)	110-Packaging 1 - Pick Kit	5148665
NAS1149F0332P	Washer	157 Ea (157 ea)	110-Packaging 1 - Pick Kit	5157648
NAS1149FN832P	Washer	34 Ea (34 ea)	110-Packaging 1 - Pick Kit	5143716

Exp. 8/19
Exp. 10/20

2400

5157462
x 455152642
x 334
11

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor		
			QC / QA Coordinator		
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
110-Packaging 1 - Pick Kit	600.1012	1	15	0
	601.2045	1	26	0
	601.3073	1	12	0
	601.3083	1	13	0
	647.3801	1	1	0
	647.3804	1	2	0
	647.3903	1	1	0
	647.4010	1	5	0
	647.4011	1	12	0
	647.4110	1	5	0
	647.4111	1	7	0
	647.4112	1	8	0
	647.4113	1	12	0
	647.4114	2	11	0
	647.4115	2	11	0
	647.4116	1	12	0
	647.4210	1	5	0
	647.4211	1	5	0
	647.4310	1	8	0
	647.4311	1	7	0
	647.4312	1	13	0
	647.4313	1	11	0
	647.4410	1	16	0
	AN3-11A	8	167	0
	AN3-4A	3	334	0
	AN3C10A	2	50	0
	CCR264SS-3-03	16	370	0
	CCR264SS3-04	12	87	0
	CR3212-4-2	12	61	0
	CR3212-4-3	17	114	0
	CR3212-4-4	4	100	0
	CR3213-4-2	13	191	0
	CR3213-4-3	32	90	0
	CR3213-4-4	19	174	0
	CR3213-4-5	42	266	0
	CR3213-4-8	4	73	0
	MS21042L08	18	1,240	0
	MS21042L3	79	2,416	0
	MS21047-3	4	375	0
	MS21047L06	6	61	0
	MS21047L08	6	44	0
	MS21071L3	4	37	0
	MS24694-C53	8	171	0
	MS24694-S49	1	189	0
	MS27039-08-08	16	112	0
	MS27039-08-11	2	1,050	0
	MS27039-1-07	12	161	0
	MS27039-1-09	14	426	0
	MS27039-1-10	42	237	0
	NAS1149F0332P	157	2,596	0
	NAS1149FN832P	34	2,958	0
Part Specifications				
Specifications could not be found.				

Plex 2/21/19 11:27 AM dart.white.jesse

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					